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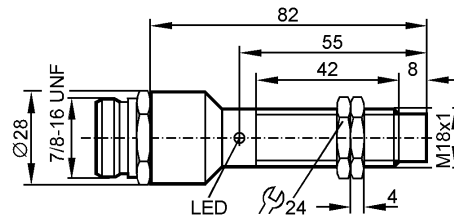
efector100

IG0309



IGA2008-ABOA/SL/LS-300BL/RT

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Sensing range 8 mm; [nf] non-flush mountable

Electrical data

Electrical design

AC/DC

Operating voltage [V]

20...250 AC/DC

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 6.5 AC / < 6 DC

Minimum load current [mA]

5

Leakage current [mA]

< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

Current rating

- Current rating (continuous) [mA]

250 AC / 100 DC; 350 AC (...50 °C)

- Current rating (peak) [mA]

î: 2.2 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25 AC / 100 DC

Monitoring range

Sensing range [mm]

8

Real sensing range (Sr) [mm]

8 ± 10 %

Operating distance [mm]

0...6.5

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

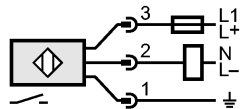
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Mechanical data

IG0309 - Inductive sensor - eclass: 27270101 / 27-27-01-01

| | |
|-------------------------------|---|
| Mounting | non-flush mountable |
| Housing materials | brass white bronze coated; PC (polycarbonate) |
| Weight [kg] | 0.146 |
| Displays / operating elements | |
| Output status indication LED | red |
| Electrical connection | |
| Connection | 7/8" connector |

Wiring



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)

| | |
|------------------------|---|
| Accessories | |
| Accessories (included) | 2 lock nuts |
| Remarks | |
| Remarks | Recommendation: check the unit for reliable function after a short circuit. |
| Pack quantity [piece] | 1 |